

# Comparisons of Job Characteristics

**Focus Occupation:** [Cartographers and Photogrammetrists \(17-1021\)](#)

**Associated Occupation:** [Landscape Architects \(17-1012\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 55

**Focus Occupation:** Cartographers and Photogrammetrists (17-1021)

**Associated Occupation:** Landscape Architects (17-1012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Design	5.2	22.8	9.5	<<	Extensive education and/or training may be required
Building and Construction	4.0	18.1	2.3	<<	Extensive education and/or training may be required
Geography	3.9	17.5	19.1	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	15.6	5.4	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.4	5.9	<<	Extensive education and/or training may be required
Biology	3.7	13.9	2.9	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	13.9	3.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	13.8	3.3	<<	Extensive education and/or training may be required
Law and Government	5.9	12.4	3.7	<<	Extensive education and/or training may be required
Fine Arts	2.2	11.8	1.6	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	11.4	2.2	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	10.7	3.1	<<	Extensive education and/or training may be required
Transportation	4.6	10.4	3.4	<<	Extensive education and/or training may be required
Communications and Media	5.3	9.7	4.6	<<	Extensive education and/or training may be required
History and Archeology	2.6	9.3	2.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Skills	Similarity of Focus Occupation to Associated Occupation: 75				
Focus Occupation: Cartographers and Photogrammetrists (17-1021) Associated Occupation: Landscape Architects (17-1012)					
Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Coordination	9.1	12.0	9.0	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	11.9	1.9	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	10.7	8.0	<<	Extensive development of skills in this area may be required
Persuasion	7.4	10.5	7.3	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	10.2	6.9	<<	Extensive development of skills in this area may be required
Negotiation	6.8	10.0	6.7	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	6.4	2.2	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	6.1	2.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 94			
Focus Occupation: Cartographers and Photogrammetrists (17-1021) Associated Occupation: Landscape Architects (17-1012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	14.0	12.0	<	Some improvement in abilities may be required
Oral Comprehension	12.5	13.9	13.0	0	Current ability level may be sufficient
Written Comprehension	11.0	13.0	12.3	0	Current ability level may be sufficient
Deductive Reasoning	10.6	12.8	11.0	<	Some improvement in abilities may be required
Written Expression	9.8	12.8	12.0	0	Current ability level may be sufficient
Visualization	7.5	12.2	9.1	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	12.0	10.5	<	Some improvement in abilities may be required
Originality	7.6	11.8	8.1	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.5	9.9	<	Some improvement in abilities may be required

Fluency of Ideas	7.6	11.0	8.6	<	Some improvement in abilities may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 92

**Focus Occupation: Cartographers and Photogrammetrists (17-1021)**  
**Associated Occupation: Landscape Architects (17-1012)**

Work Activities	Exclusivity of Activity
Analyze spatial data	87
Analyze technical data, designs, or preliminary specifications	47
Develop plans for programs or projects	31
Draw maps or charts	69
Draw prototypes, plans, or maps to scale	57
Interpret aerial photographs	69
Interpret maps for architecture, construction, or engineering project	77
Prepare technical reports or related documentation	22
Read maps	42
Read technical drawings	7
Research property records	77
Understand engineering data or reports	48
Understand property documents	77
Use computer aided drafting or design software for design, drafting, modeling, or other engineering tasks	58
Use drafting or mechanical drawing techniques	50
Use spreadsheet software	18

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 93

**Focus Occupation: Cartographers and Photogrammetrists (17-1021)**  
**Associated Occupation: Landscape Architects (17-1012)**

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1

Data management and query software	1
Industry specific software	1
Information exchange software	1
Network applications software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.